PHILIPS

FW-C100

Mini HiFi System

Let's make things better.

PHILIPS

PLUG & PLAY

1

Plug in the unit

2

Follow instructions in the display

3

Press "PLAY"

DEMO MODE

To turn ON

Press & HOLD DEMO STOP button for 5 seconds

To turn OFF

Press & HOLD DEMO STOP button for 5 seconds

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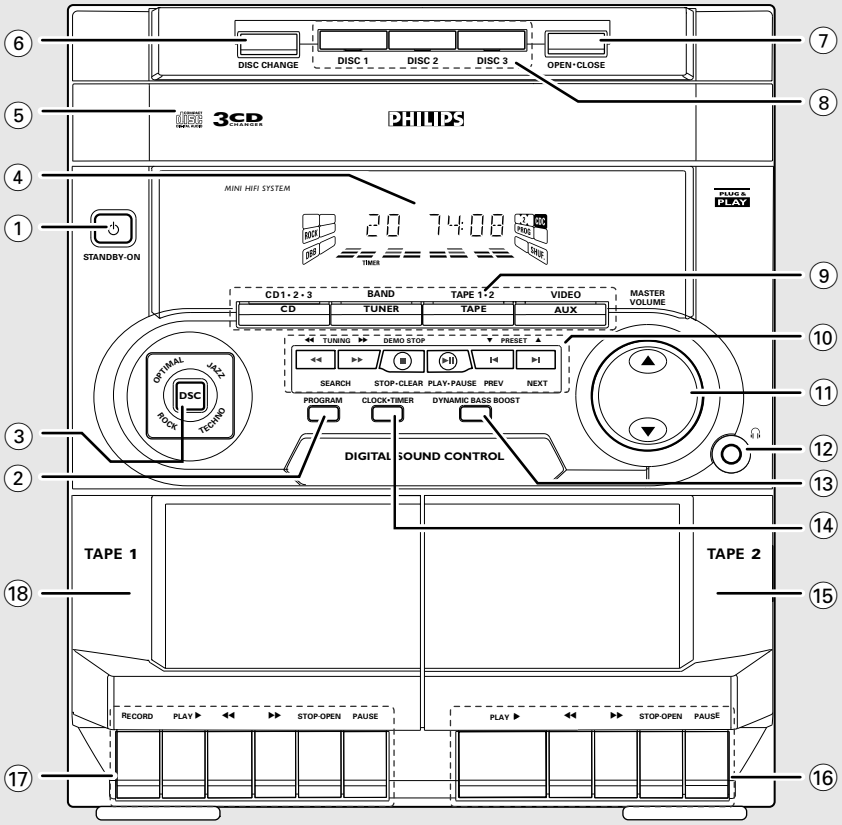

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Important notes for users in the U.K.

Mains plug

This apparatus is fitted with an approved 13 Amp plug. To change a fuse in this type of plug proceed as follows:

1. Remove fuse cover and fuse.
2. Fix new fuse which should be a BS1362 5 Amp, A.S.T.A. or BSI approved type.
3. Refit the fuse cover.

If the fitted plug is not suitable for your socket outlets, it should be cut off and an appropriate plug fitted in its place.

If the mains plug contains a fuse, this should have a value of 5 Amp. If a plug without a fuse is used, the fuse at the distribution board should not be greater than 5 Amp.

Note: The severed plug must be disposed of to avoid a possible shock hazard should it be inserted into a 13 Amp socket elsewhere.

How to connect a plug

The wires in the mains lead are coloured with the following code: blue = neutral (N), brown = live (L). As these colours may not correspond with the colour markings identifying the terminals in your plug, proceed as follows:

- Connect the blue wire to the terminal marked N or coloured black.
- Connect the brown wire to the terminal marked L or coloured red.
- Do not connect either wire to the earth terminal in the plug, marked E (or ⏚) or coloured green (or green and yellow).

Before replacing the plug cover, make certain that the cord grip is clamped over the sheath of the lead - not simply over the two wires.

Copyright in the U.K.

Recording and playback of material may require consent. See Copyright Act 1956 and The Performer's Protection Acts 1958 to 1972.

Italia

DICHIARAZIONE DI CONFORMITA'

Si dichiara che l'apparecchio FW-C100 Philips risponde alle prescrizioni dell'art. 2 comma 1 del D.M. 28 Agosto 1995 n. 548.

Fatto a Eindhoven

Philips Consumer Electronics
Philips, Glaslaan 2
5616 JB Eindhoven, The Netherlands

Norge

Typeskilt finnes på apparatens underside.

Observer: Nettbryteren er sekundert innkoplet. Den innebygde netdelen er derfor ikke frakoplet nettet så lenge apparatet er tilsluttet nettkontakten.

For å redusere faren for brann eller elektrisk støt, skal apparatet ikke utsettes for regn eller fuktighet.

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English

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English

- ***The type plate (which contains the serial number) is located at the rear of the player.***
- ***Recording is permissible if copyright or other rights of third parties are not infringed.***
- ***This product complies with the radio interference requirements of the European Community.***

Environmental Information

All unnecessary packaging has been omitted. We have tried to make the packaging easy to separate into three materials: cardboard (box), polystyrene foam (buffer) and polyethylene (bags, protective foam sheet).

Your system consists of materials which can be recycled and reused if disassembled by a specialized company. Please observe the local regulations regarding the disposal of packaging materials, exhausted batteries and old equipment.

Supplied Accessories

– Remote control
– AM loop antenna
– FM wire antenna
– AC power cord

Safety Information

- Before operating the player, check that the operating voltage indicated on the typeplate (or the voltage indication beside the voltage selector) of your player is identical with the voltage of your local power supply. If not, please consult your dealer. The typeplate is located at the rear of your player.
- When the player is switched on, do not move it around.
- Place the player on a solid base (e.g. a cabinet).
- Place the player in a location with adequate ventilation to prevent internal heat build-up in your player. Allow at least 10 cm (4 inches) clearance from the rear and the top of the unit and 5 cm (2 inches) from the each side.
- Do not expose the player to excessive moisture, rain, sand or heat sources.
- Under no circumstances should you repair the player yourself, as this will invalidate the warranty!
- If the player is brought directly from a cold to a warm location, or is placed in a very damp room, moisture may condense on the lens of the disc unit inside the player. Should this occur, the CD player will not operate normally. Leave the power on for about one hour with no disc in the player until normal playback is possible.
- Electrostatic discharge may cause unexpected problems. See whether these problems disappear if you unplug the AC power cord and plug it in again after a few seconds.
- **To disconnect the player from the power supply completely, remove the AC power plug from the wall socket.**

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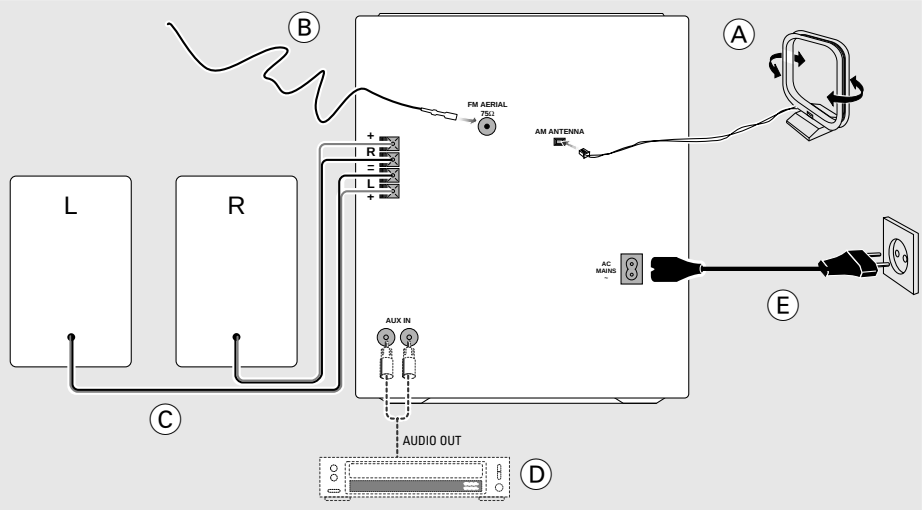
Preparations



Rear Connections

Ⓐ AM Loop Antenna Connection

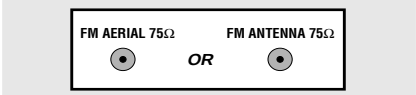
Connect the supplied loop antenna to the AM ANTENNA terminal. Place the AM loop antenna far away from the system and adjust its position for the best reception.

Ⓑ FM Wire Antenna Connection

Connect the supplied FM wire antenna to the FM AERIAL (FM ANTENNA) 75 Ω terminal. Adjust the position of the FM antenna for the best reception.

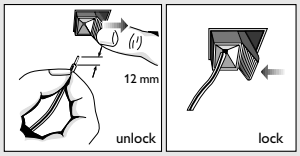
Outdoor Antenna

For better FM stereo reception, connect an outdoor FM antenna to the FM AERIAL (FM ANTENNA) 75 Ω terminal using a 75 Ω coaxial wire.



Ⓒ Speakers Connection

- Connect the right speaker to Front terminal R, with the colored wire to + and the black wire to −.
- Connect the left speaker to Front terminal L, with the colored wire to + and the black wire to −.
- Clip the stripped portion of the speaker wire as shown.



CAUTION:

– For optimal sound performance, it is recommended to use the supplied speakers.

– Do not connect more than one speaker to any one pair of + / − speaker terminal.

– Do not connect speakers with impedance lower than the speakers supplied. Please refer to SPECIFICATION section of this manual.

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English

Ⓓ **Connecting other equipment to your player**

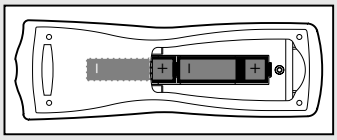
You can connect the audio left and right OUT terminals of a TV, VCR, Laser Disc player, DVD player or CD Recorder to the AUX IN terminals at the rear of the system.

Ⓔ **AC Power Supply**

After all other connections have been made, connect the AC power cord to the system and to the wall outlet.

Inserting batteries into the Remote Control

- Insert the batteries (Type R06 or AA) into the remote control as shown in the battery compartment.



- To avoid damage from possible battery leakage, remove dead batteries or batteries that will not be used for a long time.

Batteries contain chemical substances, so they should be disposed off properly.

Controls *(illustrations on page 3)*

Controls on the player and remote control

① **STANDBY-ON** ⏻
– switches the system to standby/on.

② **PROGRAM**
for CD ..... to programme disc tracks.
for TUNER ..... to programme preset radio stations.
for CLOCK ..... to select 12 or 24 hour in clock setting mode.

③ **DSC (DIGITAL SOUND CONTROL)**
– to select the desired sound effect : OPTIMAL, JAZZ, ROCK or TECHNO.

④ **DISPLAY SCREEN**
– to view the current setting of the system.

⑤ **CD CHANGER TRAY**

⑥ **DISC CHANGE**
– to change disc(s).

⑦ **OPEN•CLOSE**
– to open or close the CD changer tray.

⑧ **DISC 1 / DISC 2 / DISC 3 (DISC DIRECT PLAY)**
– to select a disc tray for playback.

⑨ **SOURCE** – to select the following:
CD / (CD 1•2•3)
– to select CD mode. When disc playback is stopped, press to select disc tray 1, 2 or 3.
TUNER / (BAND)
– to select Tuner mode. When in tuner mode, press to select the waveband: FM, MW or LW.
TAPE / (TAPE 1• 2)
– to select Tape mode.
AUX (VIDEO)
– to select sound from an external source (e.g. TV, VCR, Laser Disc player, DVD player or CD Recorder).

⑩ **MODE SELECTION**
SEARCH ◀◀ ▶▶ (TUNING ◀◀ ▶▶)
for CD ..... to search backward/forward.
for TUNER ..... to tune to a lower or higher radio frequency.
for CLOCK ..... to set the hour *(on the system only)*.

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Controls

English

STOP•CLEAR ■
for CD ..... to stop disc playback or to clear a programme.
for TUNER ..... to stop programming *(on the system only)*.
for DEMO ..... to start or stop demonstration mode *(on the system only)*.
for CLOCK ..... to exit clock setting or cancel timer *(on the system only)*.
for PLUG & PLAY
..... to exit plug & play mode and return to standby mode *(on the system only)*.

PLAY ▶ / PAUSE ❚❚
for CD ..... to start or interrupt playback.
for PLUG & PLAY
..... to initiate and start plug & play from standby/demo mode *(on the system only)*.

PREV ⏮ / NEXT ⏭ (PRESET ▼▲)
for CD ..... to skip to the beginning of the current, previous, or next track.
for TUNER ..... to select a preset station in memory.
for CLOCK ..... to set the minute *(on the system only)*.

⑪ **MASTER VOLUME ▼▲**
– to increase or decrease the volume.

⑫ 🎧
– to connect headphones.

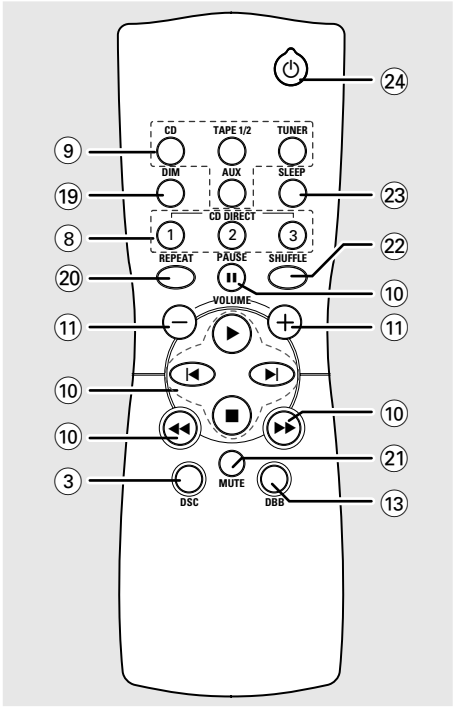
⑬ **DBB (DYNAMIC BASS BOOST)**
– to switch on bass boost to enhance bass response or to switch off bass boost.

⑭ **CLOCK•TIMER**
– to view the clock, set the clock or set the timer.

⑮ **TAPE DECK 2**

⑯ **TAPE DECK 2 OPERATION**
PLAY ▶ ..... to start playback.
◀◀ ..... to rewind the tape.
▶▶ ..... to fast forward the tape.
STOP•OPEN…to stop playback or to open the tape door.
PAUSE ..... to interrupt playback.

⑰ **TAPE DECK 1 OPERATION**
RECORD ..... to start recording.
PLAY ▶ ..... to start playback.
◀◀ ..... to rewind the tape.
▶▶ ..... to fast forward the tape.
STOP•OPEN…to stop playback/recording or to open the tape door.
PAUSE ..... to interrupt playback or recording.



⑱ **TAPE DECK 1**

⑲ **DIM**
– to select different brightness for the display screen : DIM 1, DIM 2, DIM 3 or DIM OFF.

⑳ **REPEAT**
– to repeat a disc track, a disc, or all available discs.

㉑ **MUTE**
– to switch off the sound temporarily.

㉒ **SHUFFLE**
– to play all the available discs and their tracks in random order.

㉓ **SLEEP**
– to switch the system to standby mode at a selected time.

㉔ ⏻
– to switch the system to standby mode.

Notes for remote control:
– First select the source you wish to control by pressing one of the source select keys on the remote control (e.g. CD , TUNER, etc.).
– Then select the desired function (▶ , ⏮, ⏭, etc.).

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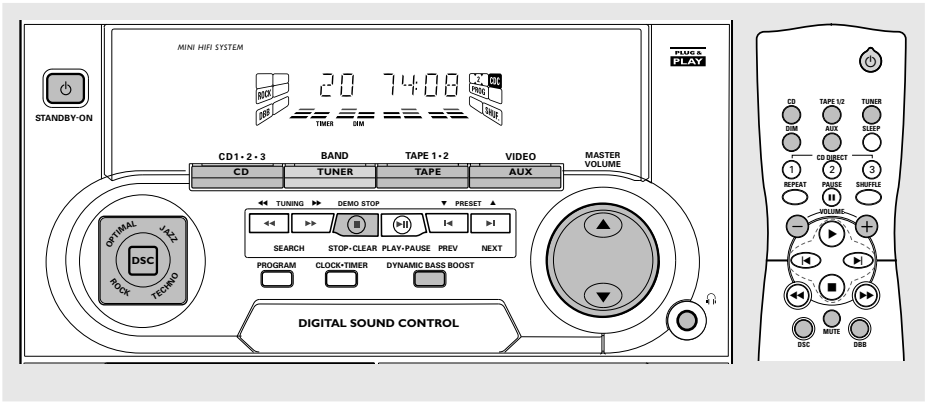
English



Important:
Before you operate the system, complete the preparation procedures.

Plug and Play

The system provides PLUG and PLAY feature that allows you to store all available radio stations automatically upon power up. ***If PLUG and PLAY has been installed beforehand, it will go to standby or demonstration mode after 5 seconds.***

1 Press and hold **PLAY** *(on the system only)* for 5 seconds; when the system is in standby or demonstration mode.

- If the PLUG and PLAY has not been installed before, you can access this feature by switching on the system from the main power outlet.
  ➜ "AUTO INSTALL - PRESS PLAY" will be displayed.

2 Press **PLAY** to start installation.
➜ "INSTALL" will be displayed and followed by "TUNER" and then "AUTO".
➜ The **PROGRAM** starts flashing.
➜ PLUG and PLAY will start searching for all radio stations on FM band and then followed by radio stations on MW and LW bands respectively.
➜ All available radio stations with sufficient signal strength will be stored. Up to 40 presets may be stored.
➜ The last preset radio station will appear on the display when PLUG and PLAY is completed.

- To exit without storing the PLUG and PLAY, press ■ button *(on the system only)*.

Notes:
– PLUG and PLAY will be reinitiated again during the next power up if :
i) PLUG and PLAY installation was not completed.
ii) No stereo frequency being detected during PLUG and PLAY, "CHECK ANTENNA" will be displayed.
– You can store any radio stations manually or automatically after PLUG and PLAY.
– When PLUG and PLAY is used, all previously stored radio stations will be replaced.
– During PLUG and PLAY, if no button is pressed within 15 seconds, the system will go to demonstration mode (if demonstration mode is enable)

Demonstration mode

The system has a demonstration mode that shows the various features offered by the system.

To disable the demonstration mode

- Press and hold ■ *(on the system only)* for ***5 seconds*** when the system is in demonstration mode.
  ➜ "DEMO OFF" is displayed.
  ➜ The system will switch to standby mode.

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Operating the System

To enable the demonstration mode

- Press and hold ■ *(on the system only)* for ***5 seconds*** when the system is in standby mode.
  ➜ The demonstration will begin.

Notes:

– If the demonstration mode has not been disabled, it will resume 5 seconds later after the system switches to standby mode.

– When the system is switched on from the main power outlet, the CD changer tray may open and close again to initialize the set.

– Even though the AC power cord is removed from and reconnected to the wall socket, the demonstration will remain off until it is switched on again.

Switching the system ON

- Press **CD**, **TUNER**, **TAPE** or **AUX**.
- Press **STANDBY-ON** in demo.

You can also switch on the system by pressing any one of the CD DIRECT PLAY buttons *(on system only)*.

Switching the system to standby mode

- Press **STANDBY-ON** or ⏻ on the remote control.
  ➜ The system will switch to standby mode.

Selecting the Source

- Press the respective source selection button: **CD**, **TUNER**, **TAPE** or **AUX**.
  ➜ The display indicates the selected source.

Note:

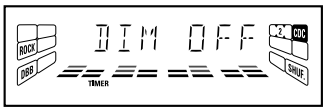
– For an external source, make sure you have connected the audio left and right OUT terminals of the external equipment (TV,VCR, Laser Disc player, DVD player or CD Recorder) to the AUX IN terminals.

DIM mode *(only on remote control)*

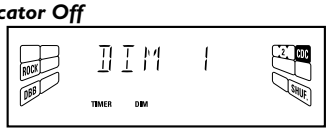
You can select the desired brightness for the display.

- Press **DIM** to select DIM 1, DIM 2, DIM 3 or DIM OFF display mode.
  ➜ The **DIM** display lights up.
  ➜ "DIM 1", "DIM 2", "DIM 3" or "DIM OFF" will be displayed depending on the mode selected.

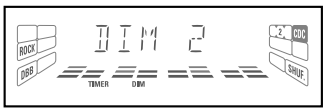
DIM OFF - normal brightness with Volume Indicator On



DIM 1 - normal brightness with Volume Indicator Off



DIM 2 - half brightness with Volume Indicator On



DIM 3 - half brightness with Volume Indicator Off

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English

Sound Control

VOLUME ADJUSTMENT

Press **MASTER VOLUME** ▲ or ▼ to increase or decrease the sound level.

For Personal Listening

Connect the headphones plug to the 🎧 socket at the front of the system. The speakers will be muted.

DIGITAL SOUND CONTROL (DSC)

The DSC feature enables you to enjoy special sound effects that have preset equalizer settings, providing the best music reproduction.

- Press **DSC** to select OPTIMAL, JAZZ, ROCK or TECHNO.
  ➜ "OPTIMAL, JAZZ, ROCK or TECHNO" and the respective flag will be displayed.

Note:

– When "OPTIMAL" sound is selected DBB will be switched on automatically.

DYNAMIC BASS BOOST (DBB)

The DBB mode enhances the bass response.

- Press **DBB** to switch on bass response.
  ➜ "DBB ON" and the **DBB** flag will be displayed.

To switch off DBB

- Press **DBB** again.
  ➜ "DBB OFF" will be displayed.

Note:

– Some discs or tapes might be recorded in high modulation, which causes a distortion at high volume. If this occurs, switch off DBB or reduce the volume.

MUTE *(only on remote control)*

This feature allows you to temporarily switch off the sound of the system without switching off the system when you require a moment of silence.

- Press **MUTE** on the remote control to switch off the sound.
  ➜ "MUTE" and the **MUTE** flag will be displayed.
- Press **MUTE** again on the remote control or increase the **MASTER VOLUME** to switch on the sound.

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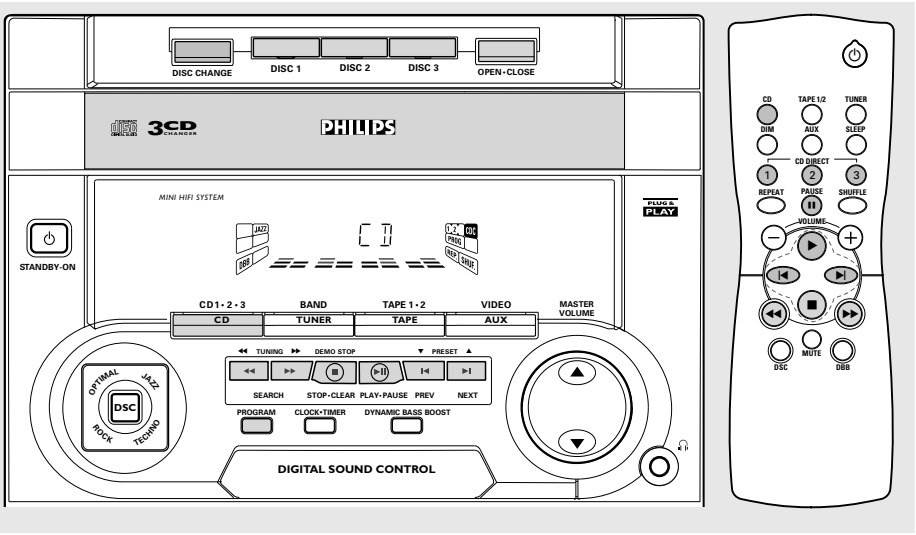
English

Compact Disc



Warning!

1) ***This system is designed for conventional discs. Do not use any accessories such as disc stabilizer rings or disc treatment sheets, etc., which may damage the disc mechanism.***
2) ***Do not load more than one disc into each tray.***
3) ***When the CD changer is loaded with discs, do not turn over or shake the system. This may jam the changer.***

You may load three discs in the CD changer for continuous playback without interruption.

Discs for playback

This system can play all digital audio disc, finalized digital audio CD-Recordable and finalized digital audio CD-Rewritable format discs.

COMPACT disc DIGITAL AUDIO
COMPACT disc DIGITAL AUDIO Recordable
COMPACT disc DIGITAL AUDIO ReWritable

Loading the CD Changer

1 Press **CD** to select CD mode.
2 Press **OPEN•CLOSE**.
➜ The CD changer tray slides out.
3 Load a disc with the printed side up in the right tray.

- You can load another disc in the left tray.
- To load the third disc, press the **DISC CHANGE** button.
➜ The CD changer tray will rotate until the empty tray is ready for loading.

4 Press **OPEN•CLOSE** to close the CD changer tray.
➜ A lit on the respective CD numeric flag indicates that its corresponding disc(s) is loaded in the disc tray.

Note:
– To ensure good system performance, wait until the CD changer completely reads the disc(s) before proceeding.

Disc Direct Play

- You can play a disc directly by pressing the **DISC 1, DISC 2** or **DISC 3** button. The CD player will stop at the end of playback of the selected disc.
➜ The corresponding CD numeric flag starts to flash.

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English

Playing a Disc

1 Press ▶ to start playback.
➜ A flashing on the CD numeric flag indicates the selected disc.
➜ The track number and elapsed playing time of the current track appear on the display.
- To interrupt playback, press ❚❚.
➜ The playing time flashes.
- To resume playback, press ▶ again.

2 To stop playback, press ■.

Note:
– All the available discs will play once, then stop.

Disc Change

You can change the outer two discs while the third inner disc is stopped or is playing.

1 Press **DISC CHANGE**.
➜ The CD changer tray slides out.
2 Replace the discs in the left and right disc trays.
- If you wish to change the inner disc during playback, press **DISC CHANGE** again.
➜ "DISC CHANGE" will be displayed.
➜ The disc will stop playing.
➜ The CD changer tray will close to retrieve the inner disc and then open again with the inner disc accessible.

3 Press **OPEN•CLOSE** to close the CD changer tray.

Selecting a desired track

Selecting a desired track when playback is stopped

1 Press ⏮ or ⏭ until the desired track appears on the display.
2 Press ▶ to start playback.
➜ The selected track number and elapsed playing time appear on the display.

Selecting a desired track during playback

- Press ⏮ or ⏭ until the desired track appears on the display.
➜ The selected track number and elapsed playing time appear on the display.
- If you press ⏮ once it will skip to the beginning of the current track and play the track again.

Note:
– Pressing ⏮ during shuffling can only skip to the beginning of the current track.

Searching for a particular passage during playback

- Press and hold ◀◀ or ▶▶ until the desired passage is located.
➜ The volume will be reduced.
- Play returns to normal when ◀◀ or ▶▶ is released.

Programming Tracks

Programming tracks of a loaded disc is possible when playback is stopped. The display will indicate the total tracks stored in the programme. Up to 40 tracks can be stored in the memory in any order. When 40 tracks are stored and you attempt to store another track, the display will show "FULL".

1 Load the desired discs in the disc trays.
2 Press **PROGRAM** to start programming.
➜ The **PROG** flag starts flashing.
➜ A flashing on the CD numeric flag indicates the selected disc.
3 Press the **CD** (CD 1•2•3) or **DISC 1/2/3** button to select the disc.
4 Press ⏮ or ⏭ to select the desired track.
5 Press **PROGRAM** to store the track.
- Repeat steps ***3*** to ***5*** to store other discs and tracks.

6 Press ■ once to end programming.
➜ The total number of tracks programmed and total playing time appear on the display.

Notes:
– If the total playing time is more than "99:59" or if one of the programmed tracks has a number greater than 30, then "--:--" appears on the display instead of the total playing time.
– If the system is reading the discs, programming is not possible, "READING" will be displayed and followed by "DISC x". "x" is the current read disc number.
– During programming, if no button is pressed within 20 seconds, the system will exit programme mode automatically.
– "SELECT A DISC" will be displayed when programming an empty disc slot.

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Compact Disc

Reviewing the programme

Reviewing of the programme is possible only when playback is stopped.

- Press ⏮ or ⏭ repeatedly to review the programmed tracks.
- Press ■ to exit review mode.

Playing the programme

1 Press ▶ to start programme playback.
➜ "PLAY PROGRAM" will be displayed.
➜ The track number and elapsed playing time of the current track will appear on the display.

- If you press **REPEAT** during programme playback, the current track or all programmed tracks will be played repeatedly.
➜ "TRACK" or "PROGRAM" will be displayed.
➜ The **REP** and **PROG** flags appear on the display.

2 Press ■ to stop programme playback.

Notes:

– If you press any of the DISC DIRECT PLAY buttons, the system will play the selected disc and the stored programme will be ignored temporarily. The PROG display also will disappear temporarily from the display. It will reappear when playback of the selected disc ends.

– REPEAT DISC mode will be cancelled when programme playback begins.

Erasing the programme *(when playback is stopped)*

- Press ■.
➜ "PROGRAM CLEARED" will be displayed.

Note:

– The programme will be erased when the system is disconnected from the power supply or when the CD changer tray is opened.

Shuffle *(only on remote control)*

In shuffle mode, the system plays all the available discs and their tracks in random order. Shuffle may be used also when tracks are programmed.

To shuffle all the discs and tracks

1 Press **SHUFFLE**.
➜ "SHUFFLE" will be displayed.
➜ The **SHUF** flag and the track selected at random appear on the display.

- The discs and the tracks will be played in random order until you press ■.
- If you press **REPEAT** during shuffling, the current track or all available discs will be played repeatedly.
➜ "TRACK" or "ALL DISC" will be displayed.
➜ The **REP** and **SHUF** flags appear on the display.

2 Press **SHUFFLE** again to resume normal playback.
➜ The **SHUF** flag disappears from the display.

Note:

– REPEAT DISC mode will be cancelled when shuffle is selected.

Repeat *(only on remote control)*

You can play the current track, a disc or all available discs repeatedly.

1 Press **REPEAT** on the remote control to select the various repeat modes.
➜ "TRACK", "DISC", "ALL DISC" or "OFF" will be displayed.
➜ The **REP** flag appears on the display.

- The selected track, selected disc or all available discs will now be played repeatedly until you press ■.

2 Press **REPEAT** until the "OFF" mode is displayed to resume normal playback.
➜ The **REP** flag disappears from the display.

Notes:

– REPEAT DISC mode is not available during programme play or shuffle mode.

– You can also repeat shuffling a programme.
i) "TRACK" or "PROGRAM" will be displayed.
ii) The REP, PROG, and SHUF flags appear on the display.

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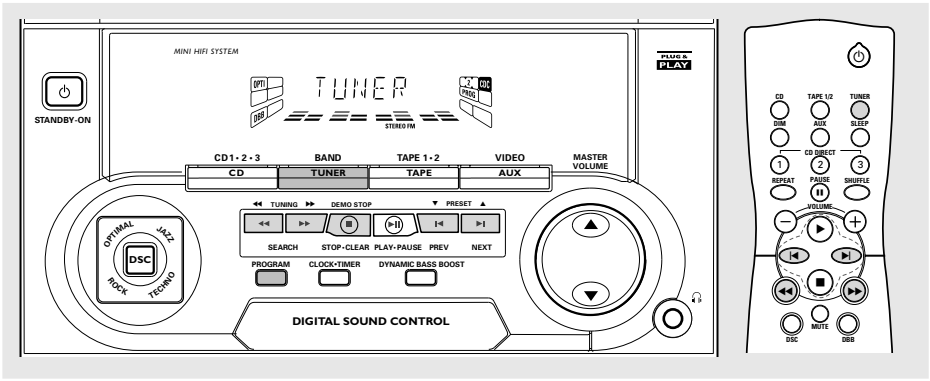
English



Note:

– For 'PLUG & PLAY' feature, please refer to page 11.

Tuning to radio stations

1 Press **TUNER** (BAND) to select TUNER mode.
➜ "TUNER" will be displayed.
A few seconds later, the current radio frequency will be displayed.

2 Press **TUNER** (BAND) again to select the desired waveband : FM, MW or LW.

3 Press ◀◀ or ▶▶ for more than one second, then release.
➜ The display will show "SEARCH" until a radio station with sufficient signal strength is found.

- Repeat this procedure until the desired station is reached.
- To tune to a weak station, briefly press ◀◀ or ▶▶ repeatedly until the display shows the desired frequency and/or when the best reception has been obtained.

Storing Preset Stations

You can store up to 40 radio stations in the memory. When a preset radio station is selected, the preset number appears next to the frequency on the display.

Automatic programming

1 Press **TUNER** (BAND).

2 Press **PROGRAM** for more than one second.
➜ The **PROG** flag starts flashing and "AUTO" will be displayed.
➜ The system will search for every available station in the FM waveband first, MW and then search the LW waveband.
➜ All available stations will be stored automatically. The frequency and preset number will be displayed briefly.
➜ The system will stop searching when all the available radio stations are stored or when the memory for 40 preset radio stations is used.
➜ The system will remain tuned to the last stored preset radio station.

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Tuner

Notes:
– You can cancel the automatic programming by pressing PROGRAM or ■ (on the system only).
– If you want to reserve a section of preset numbers, for example preset numbers 1 to 9, select preset 10 before starting automatic programming, only the preset numbers 10 to 40 will be programmed.

Manual programming

1 Press **TUNER** (BAND).
2 Press **TUNER** (BAND) again to select the desired waveband : FM, MW or LW.
3 Press **PROGRAM** for less than one second.
➜ The PROG flag starts flashing.
➜ The next available preset number will be displayed for selection.
4 Press ◀◀ or ▶▶ to tune to the desired frequency.
● If you wish to store the radio station to another preset number, press ▼ or ▲ to select the desired preset number.
5 Press **PROGRAM** again.
➜ The PROG flag disappears and the radio station will be stored.

● Repeat ***steps 3 – 5*** to store other preset radio stations.

Notes:
– When 40 radio stations are stored and you attempt to store another radio station, the display will show "FULL". If you want to change an existing preset number, repeat steps 3 – 5.
– You can cancel manual programming by pressing ■ (on the system only).
– During programming, if no button is pressed within 20 seconds, the system will exit programme mode automatically.

Tuning to Preset Radio Stations

● Press ▼ or ▲ to select the desired preset number.
➜ The preset number, radio frequency, and waveband appear on the display.

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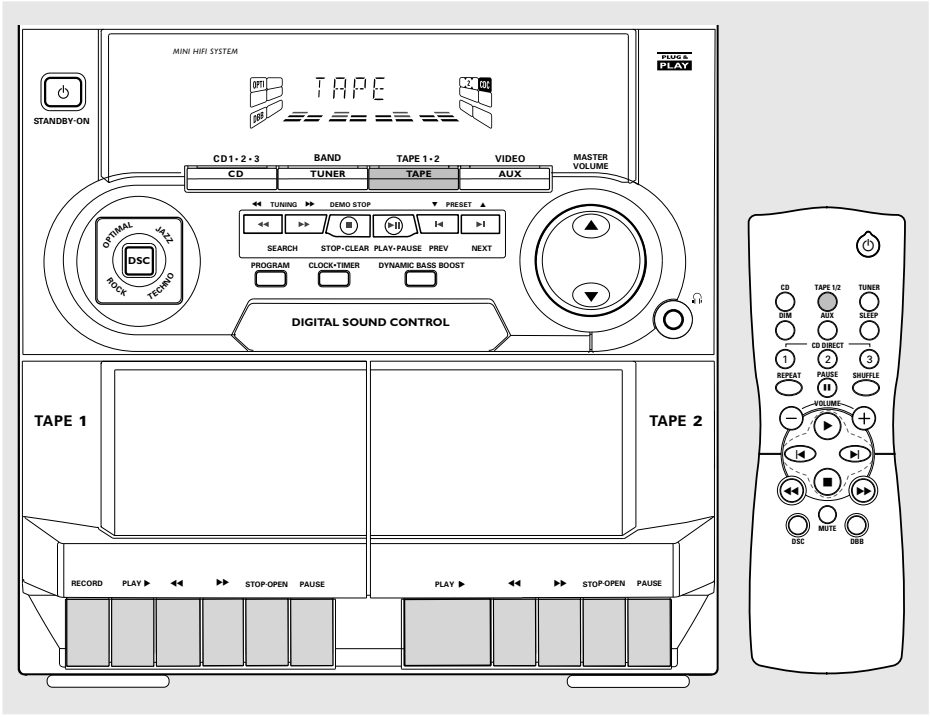
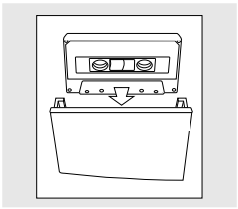
English



Loading a tape

1 Press **STOP•OPEN**.
2 The tape deck door opens.
3 Load the tape with the open side downward and the full spool to the left.



4 Close the tape deck door.

Tape Playback

1 Press **TAPE** to select TAPE mode.
➜ "TAPE" will be displayed.
2 Load the tape into the selected tape deck.
3 Press **PLAY ▶** to start playback.
- To interrupt playback, press **PAUSE**.
- To resume playback, press **PAUSE** again.

4 Press **STOP•OPEN** to end playback.

Rewind/Fast Forward

When playback is stopped

1 You can rewind or fast forward a tape by pressing ◀◀ or ▶▶ , respectively.
➜ The tape will stop automatically at the end of rewinding or fast forwarding.
2 Press **STOP•OPEN** to stop rewinding or fast forwarding.

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English

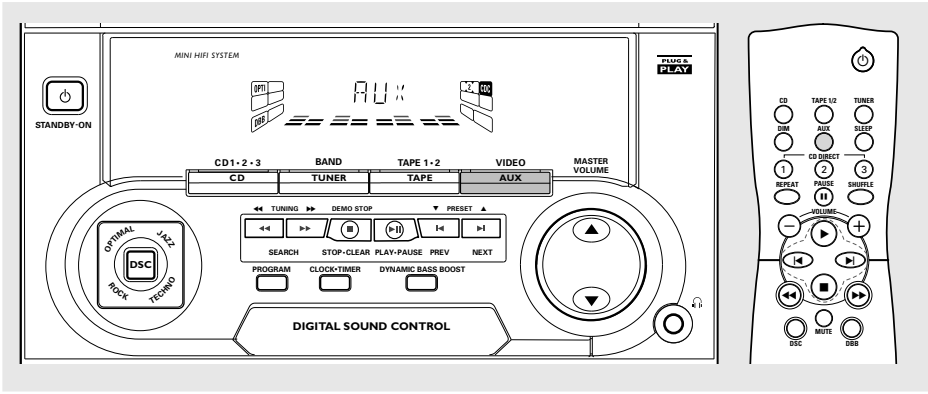
Tape

Continuous Playback From Tape Deck 2 to Tape Deck 1

1 Press **TAPE** to select TAPE mode.
2 Load the tapes in tape deck 1 and 2.
3 Press **PLAY ▶** on tape deck 2.
4 Press **PAUSE** on tape deck 1.
5 Press **PLAY ▶** on tape deck 1.
➜ Playback will begin with tape deck 2 and will continue with tape deck 1 when playback on tape deck 2 ends.
6 Press **STOP•OPEN** if you want to stop playback before the end of the tape in tape deck 1 or tape deck 2.

Notes:
– During rewinding or fast forwarding of a tape, it is also possible to listen to another source (e.g. CD, TUNER or AUX).
– Before playing a tape, check and tighten slack tape with a pencil. Slack tape may get jammed or may burst in the mechanism.
– C-120 tape is extremely thin and is easily deformed or damaged. It is not recommended for use in this system.
– Store the tapes at room temperature and do not put them too close to a magnetic field (for example, a transformer, TV or speaker).

Aux



Selecting External Equipment

If you have connected the audio out terminals of the external equipment (TV, VCR, Laser Disc player, DVD player or CD Recorder) to the AUX IN terminals, you can hear the enhanced sound from the system.

- Press **AUX** to select the external equipment.
➜ "AUX" will be displayed.

Note:
– All the sound control features (e.g. DSC, DBB, etc.) are available for selection.

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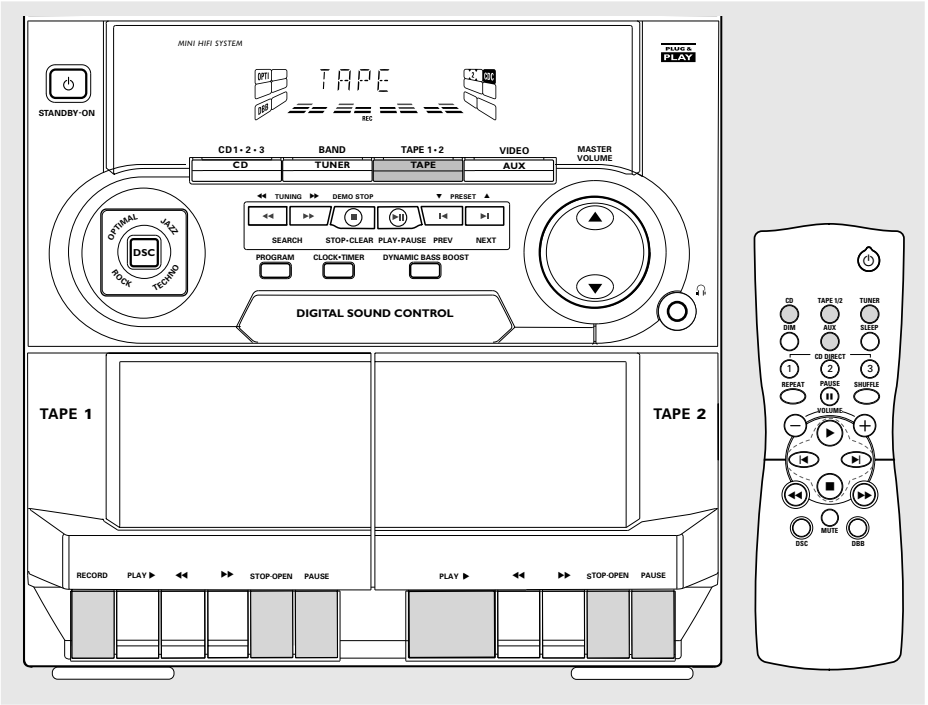
English



Notes:

– For recording, use only tape of IEC type I (normal tape).

– The tape is secured at both ends with leader tape. At the beginning and end of tape, nothing will be recorded for six to seven seconds.

– The recording level is set automatically, regardless of the position of Volume, DBB or DSC.

– To prevent accidental recording, break out the tab on the left shoulder of the tape side you want to protect.

One Touch Recording

- For One Touch Recording, as soon as you press **RECORD**, the current source (CD, TUNER or AUX) will be recorded on tape deck 1.

1. Load a blank tape in tape deck 1.
2. Press **RECORD** on tape deck 1 to start recording.
   ➜ The **REC** starts flashing.
3. Press **PAUSE** to interrupt recording.
4. Press **STOP•OPEN** on tape deck 1 to stop recording.

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English

Recording

CD Synchro Start Recording

During CD synchro start recording,

- Do not fast forward/rewind your tape in tape deck 2.

1 Load a blank tape into tape deck 1 and a disc into the disc tray.
2 Press **CD**.
- You can program the tracks in the order you want them to be recorded (see Programming Tracks). If you do not, the tracks are recorded according to the order on the selected disc.

3 Press **RECORD** on tape deck 1 to start recording.
➜ The **REC** starts flashing.
4 Press **STOP•OPEN** on tape deck 1 to stop recording, then press ■ to stop CD playback.

Dubbing tapes *(from tape deck 2 to tape deck 1)*

1 Load the prerecorded tape into tape deck 2 and a blank tape into tape deck 1.
- Make sure both tapes have their full spool to the left.

2 Press **PAUSE** on tape deck 1.
3 Press **RECORD** on tape deck 1.
➜ The **REC** starts flashing.
4 Press **PLAY** ▶ on tape deck 2.
- Recording will start automatically.

5 Press **STOP•OPEN** on tape deck 1 and tape deck 2 to stop dubbing.

Notes:
– At the end of side A, flip the tapes to side B and repeat the procedure.
– Dubbing of tapes is only possible from tape deck 2 to tape deck 1.
– To ensure good dubbing, use tapes of the same length.

Recording from other sources

(only on tape deck 1)

1 Load a blank tape into tape deck 1.
2 Press **CD**, **TUNER** or **AUX**.
- Start playback of the selected source.

3 Press **RECORD** on tape deck 1 to start recording.
➜ The **REC** starts flashing.
4 Press **PAUSE** to interrupt recording.
5 Press **STOP•OPEN** on tape deck 1 to stop recording.

Note:
– During recording, it is not possible to listen to another sound source.

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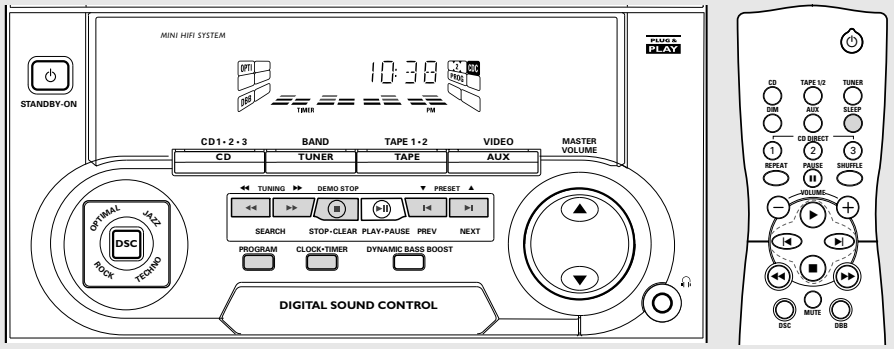
English



View Clock

You can view the clock (if it is set) if the system is in Standby mode or when any sound source is selected (CD, TUNER, etc.). The clock will be displayed for about seven seconds.

- Press **CLOCK·TIMER** briefly *(on the system only)*.
  ➜ " 10:38 **PM** or 22:38" (the current time) will be displayed depending on whether you have selected 12- or 24-hour mode.
  ➜ "--:--" will be displayed if the clock is not set.

Clock Setting

The clock can be set in either 12- or 24-hour mode, e.g. " 12:00 **AM**" or "00:00". Before setting the clock, you must be in the View Clock mode.

1 Press **CLOCK·TIMER** to select clock mode.
2 Press **PROGRAM** to select 12- and 24- hour mode.
  ➜ If 12-hour mode is selected, " 12:00" starts flashing and the **AM** lights up.
  ➜ If 24-hour mode is selected, "00:00" starts flashing.
3 Set the hour with ◀◀ or ▶▶ on the system.
4 Set the minute with ⏮ or ⏭ on the system.
5 Press **CLOCK·TIMER** again to store the setting.
  ➜ The clock starts.

- To exit without storing the setting, press ■ on the system.

Notes:
– During clock setting, if no button is pressed within 90 seconds, the system will exit clock setting mode automatically.
– When a power interruption occurs, the clock setting is erased.

Timer Setting

- The system can switch on to CD or TUNER mode automatically at a preset time. It can serve as an alarm to wake you up.
- Before setting the timer, make sure the clock is set correctly.
- The timer will always be switched on once it is set.
- **The volume of the timer will increase from the minimum level to the most recently selected volume level.**

1 Press and hold **CLOCK·TIMER** for more than ***2 seconds*** to select timer mode.
  ➜ "TU--xx:xx" or "CD--xx:xx" starts flashing. "xx:xx" is " 12:00 **AM**" or "00:00" or the last timer setting, depending on whether 12- or 24-hour mode has been selected.
  ➜ The **TIMER** starts flashing.
2 Press **CD** or **TUNER** to select the desired source.
  ➜ "TU--xx:xx" indicates the Tuner mode is selected.
  ➜ "CD--xx:xx" indicated the CD mode is selected.

- Before selecting CD, make sure a disc is loaded in the CD changer tray.

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Clock/Timer

3 Press ◀◀ or ▶▶ on the system to set the hour for the timer to start.
4 Press ⏮ or ⏭ on the system to set the minute for the timer to start.
5 Press **CLOCK•TIMER** to store the start time.
➜ The timer is now set.
➜ The **TIMER** remains on the display.

- At the preset time, the timer will be activated.
➜ The selected source will be played.

Notes:
– During timer setting, if no button is pressed within 90 seconds, the system will exit timer setting mode automatically.
– If the source selected is TUNER, the last tuned frequency will be switched on.
– If the source selected is CD, playback will begin with the first track of the selected disc or programme. If the disc trays are empty, the TUNER will be selected instead.
– The timer will not activate if a recording is in progress.

To switch off the TIMER

1 Press and hold **CLOCK•TIMER** for more than ***2 seconds***.
2 Press ■ on the system to cancel the timer.
➜ The timer is now switched off.
➜ The display will show "OFF" and the **TIMER** disappears.

To start the TIMER again *(for the same preset time and source)*

1 Press and hold **CLOCK•TIMER** for more than ***2 seconds***.
2 Press **CLOCK•TIMER** again to store the start time.
➜ The timer is now on.
➜ The **TIMER** appears on the display.

Sleep Timer *(only on remote control)*

This feature allows you to select a length of time after which the system will switch to the standby mode automatically.

1 Press **SLEEP** on the remote control repeatedly to select a period of time.
➜ The selections are as follows (time in minutes): 15 → 30 → 45 → 60 → OFF → 15 …
➜ "SLEEP xx" or "OFF" will be displayed. "xx" is the time in minutes.
2 When you reach the desired length of time, stop pressing the **SLEEP** button.
➜ The **SLEEP** display lights up.
➜ The Sleep Timer is now set. Before the system switches to standby mode, a countdown of 10 seconds will be displayed.
"SLEEP 10" → "SLEEP 9".... → "SLEEP 1" → "SLEEP"

While SLEEP mode is activated

- Press **SLEEP** once to view the remaining length of time.
- Press **SLEEP** twice to change the pre-selected period of time.
➜ The display will show the remaining time followed by the sequence of sleep timer options.

To switch off the Sleep Timer

- Press **SLEEP** repeatedly until "OFF" is displayed, or press the **STANDBY-ON** button.

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Specifications

English

AMPLIFIER

Output power ..... 2 x 5 W RMS(1)
..... 2 x 10 W MPO
Signal-to-noise ratio ..... ≥ 67 dBA (IEC)
Frequency response ..... 50 – 15,000 Hz
Input sensitivity
AUX In ..... 700 mV
Output
Speakers ..... ≥ 3 Ω
Headphones ..... 32 Ω – 1000 Ω

(1) (3 Ω, 1 kHz, 10% THD)

CD PLAYER

Number of programmable tracks 40
Frequency response ..... 20 – 20,000 Hz
Signal-to-noise ratio ..... ≥ 80 dBA
Channel separation ..... ≥ 60 dB (1 kHz)
Total harmonic distortion ..... < 0.003%

TUNER

FM wave range ..... 87.5 – 108 MHz
MW wave range ..... 531 – 1602 kHz
LW wave range ..... 153 – 279 kHz
Number of presets 40
Antenna
FM ..... 75 Ω wire
AM ..... Loop antenna

TAPE DECK

Frequency response
Normal tape (type I) ..... 80 – 12,500 Hz (8 dB)
Signal-to-noise ratio
Normal tape (type I) ..... ≥ 48 dBA
Wow and flutter ..... ≤ 0.4% DIN

SPEAKERS

System ..... double port bass reflex
Impedance ..... 3 Ω
Woofer ..... 1 x 4" full range
Dimensions (w x h x d) .. 210 x 310 x 235(mm)
Weight ..... 2.4 kg each

GENERAL INFORMATION

Material ..... Polystyrene
AC Power ..... 220 – 230V / 50 Hz
Power Consumption
Active ..... 30 W
Standby ..... < 15 W
Dimensions (w x h x d) ..... 265 x 310 x 320 mm
Weight (without speakers) ..... 5.2 kg

Subject to modification

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English

Maintenance

Cleaning the Cabinet

- Use a soft cloth slightly moistened with a mild detergent solution. Do not use a solution containing alcohol, spirits, ammonia or abrasives.

Cleaning Discs

- When a disc becomes dirty, clean it with a cleaning cloth. Wipe the disc from the center out.
- Do not use solvents such as benzine, thinner, commercially available cleaners, or antistatic spray intended for analog records.

Cleaning the Disc lens

- After prolonged use, dirt or dust may accumulate at the disc lens. To ensure good playback quality, clean the disc lens with Philips CD Lens Cleaner or any commercially available cleaner. Follow the instructions supplied with cleaner.

Cleaning the Heads and the Tape Paths

- To ensure good recording and playback quality, clean the heads, the capstan(s), and pressure roller(s) after every 50 hours of tape operation.
- Use a cotton swab slightly moistened with cleaning fluid or alcohol.
- You can also clean the heads by playing a cleaning tape once.

Demagnetizing the heads

- Use a demagnetizing tape available at your dealer.

Troubleshooting

WARNING

Do not open the player as there is a risk of electric shock! Under no circumstances should you try to repair the player yourself, as this will invalidate the warranty

If a fault occurs, first check the points listed below before taking the player for repair. If you are unable to remedy a problem by following these hints, consult your dealer or service centre.

Symptom	Remedy
"NO DISC" **is displayed.**	– If the disc is inserted upside down. – Moisture condensation at the lens. – There is no disc in the CD tray. – The disc is dirty, badly scratched or warped. – The disc lens is dirty or dusty, refer to section under Maintenance.
"DISC NOT FINALIZED" **is displayed.**	– The CD-RW or CD-R disc is not properly recorded for use with a standard CD player. – The disc is badly scratched or dirty.

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English

Poor radio reception.	– The signal is too weak, adjust the antenna or connect an external antenna for better reception. – The TV or VCR is too close to the stereo system.
Recording or playback cannot be made or there is a decrease in audio level.	– Dirty tape heads, capstans or pressure rollers, refer to section under Maintenance. – Magnetic build-up in the record/playback head, use demagnetizing tape.
System does not react when any button is pressed.	– Press STANDBY-ON to switch the system off. Remove the AC power plug from the wall outlet, then reconnect the power plug and switch on the system again.
No or poor sound.	– Adjust the volume. – Disconnect the headphones. – Check that the speakers are connected correctly. – Check if the stripped speaker wire is clamped.
Reversed left and right sound.	– Check the speaker connections and location.
Lack of bass sound or apparently imprecise physical location of musical instruments.	– Check the speaker connection for proper phasing, colored/black wires to colored/ black terminals.
Remote control has no effect on the system.	– Select the source (CD, TUNER, etc.) before pressing the function button (▶ , ⏮, ⏭, etc.). – Reduce the distance to the system. – Insert the batteries with their polarities (+ / − signs) as indicated. – Replace the batteries.
Timer is not working.	– Set the clock. – Press CLOCK•TIMER to switch on the timer. – If recording is in progress, stop recording.
Clock setting is erased.	– Reset the clock.
System displays features automatically.	– Press and hold ■ (on the system) for five seconds to switch off the demonstration.

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